**Welcome to Red Class!**

**Science:** This term in Science students will be investigating light. Students will construct a model of a maze using a specific template and then transmit light through the maze using mirrors. They will then alter the appearance of the light exiting the maze using their scientific knowledge and will describe how a light source invention can affect an individual’s life. In Term Four students will describe properties to distinguish between solids, liquids and gases. Plan safe investigation methods related to a question. Record & graph data, identify patterns & suggest explanations & findings. They will also describe ways to improve fairness of methods & accuracy of data.

**Mathematics:**

**Number and place value** - round and estimate to check an answer is reasonable, use written strategies to add and subtract, use an array to multiply one-digit and two-digit numbers, use divisibility rules to divide, solve problems involving computation and apply computation to money problems, add and subtract using mental and written strategies including the right-to-left strategy, multiply whole numbers and divide by a one-digit whole number with and without remainders.

**Fractions and decimals** - make connections between fractions and decimals, compare and order decimals.

**Money and financial mathematics** - investigate income and expenditure, calculate costs, investigate savings and spending plans, develop and explain simple financial plans.

**Patterns and algebra** - create, continue and identify the rule for patterns involving the addition and subtraction of fractions; use number sentences to find unknown quantities involving multiplication and division.

**Using units of measurement** - choose appropriate units for length, area, capacity and mass; measure length, area, capacity and mass; problem-solve and reason when applying measurement to answer a question.

**Location and transformation** - explore mapping conventions, interpret simple maps, use alphanumeric grids to locate landmarks and plot points, describe symmetry, create symmetrical designs and enlarge shapes.

**English:** This term we are exploring poetry and focusing on poet’s purpose. We will be writing an analysis about the poem Mother Earth by Belinda Waugh. We will also be looking at the narrative poem Fur and Feathers by A.B. Patterson and turning it into a digital, multimodal narrative. In Term Four, students will read and view films and novels with a range of characters and involving flashbacks or shifts in time. They demonstrate understanding of the depiction of characters, setting and events in a chosen novel. They create a written comparison of a novel and the film adaptation.

**Digital Technology:** In this unit students will explain how information systems meet local and community needs, represent a variety of data types in digital systems and design and create an interactive spreadsheet and share information ethically.

**Science:** This semester for HASS students are exploring secondary colonial settlements and the gold rush. In Term Four, students will explore the following key inquiry question: How have people enacted their values and perceptions about their community, other people and places, past and present? Students will investigate democratic values and processes in the school community.